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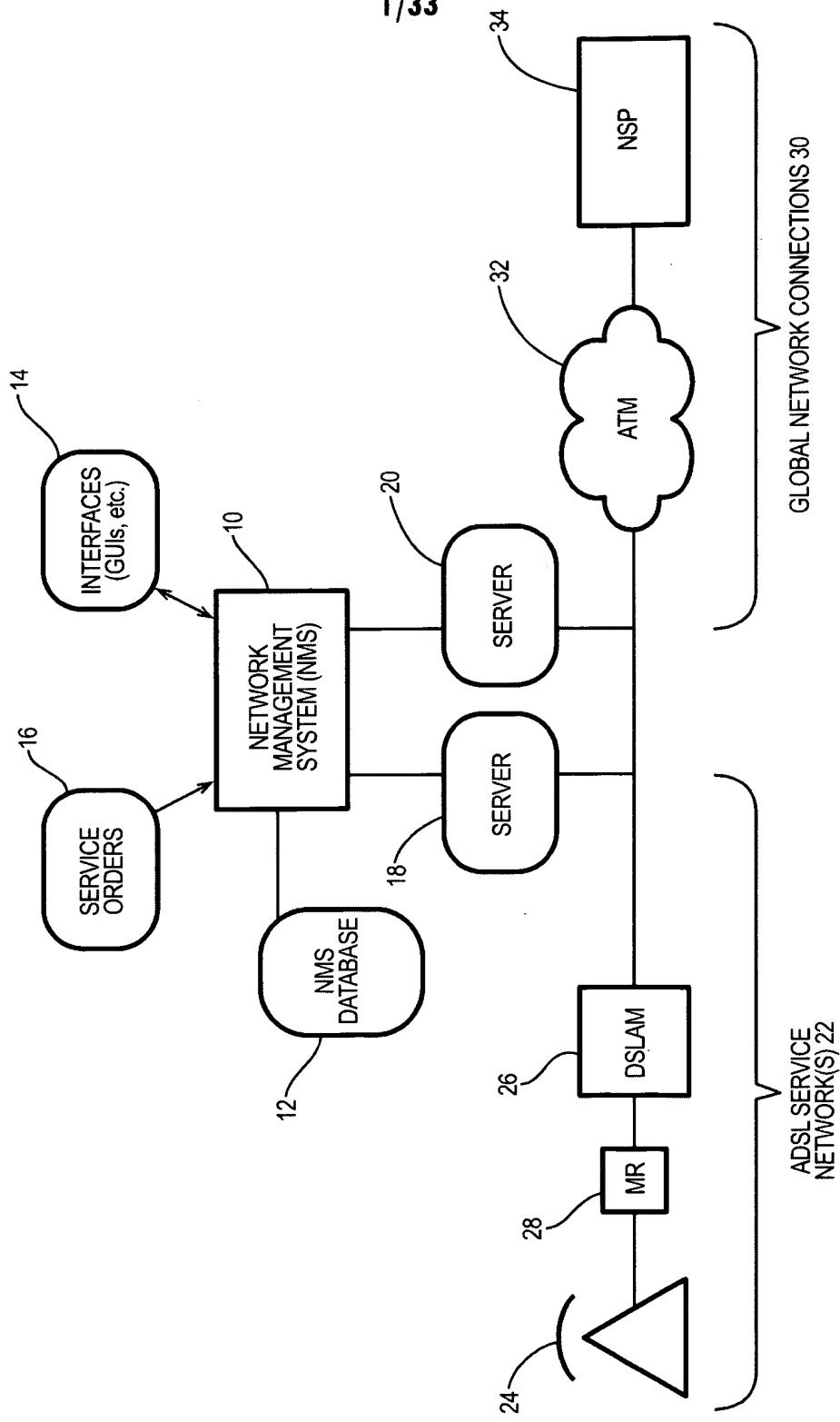
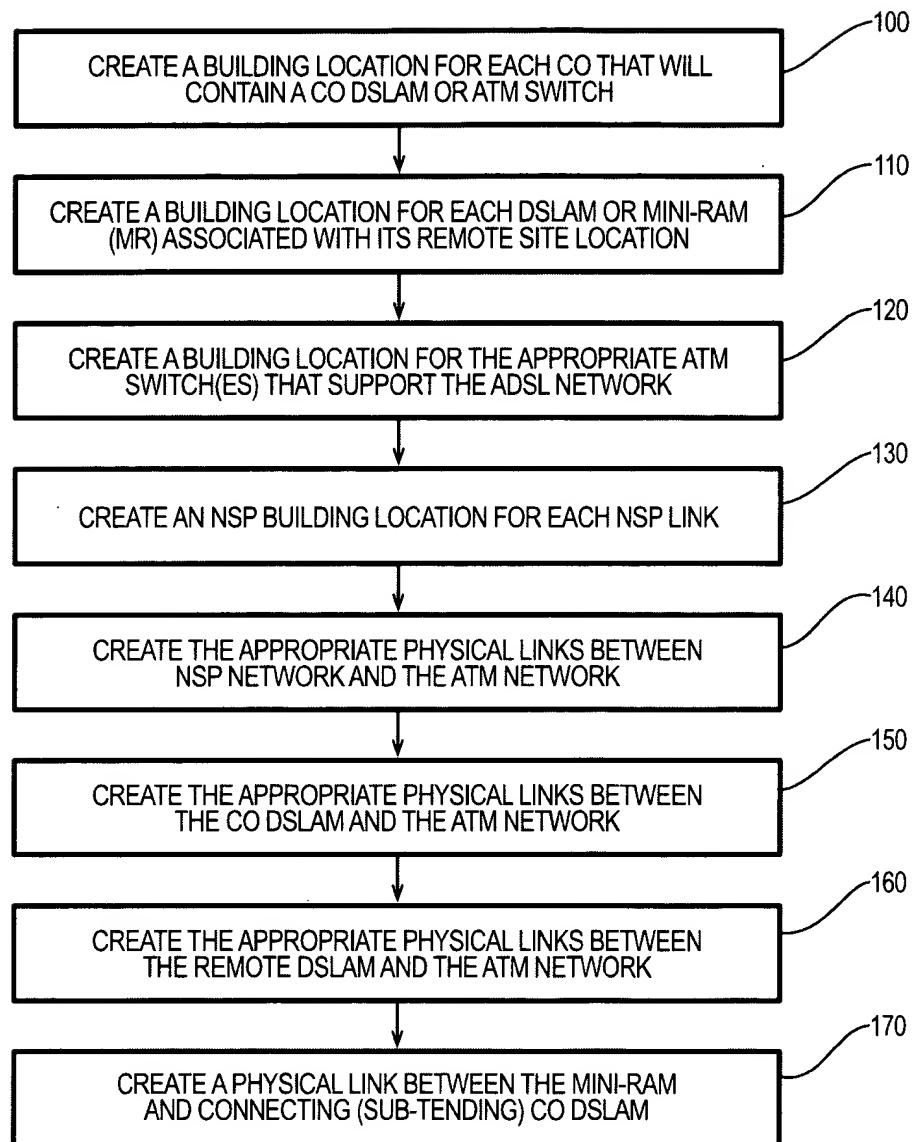
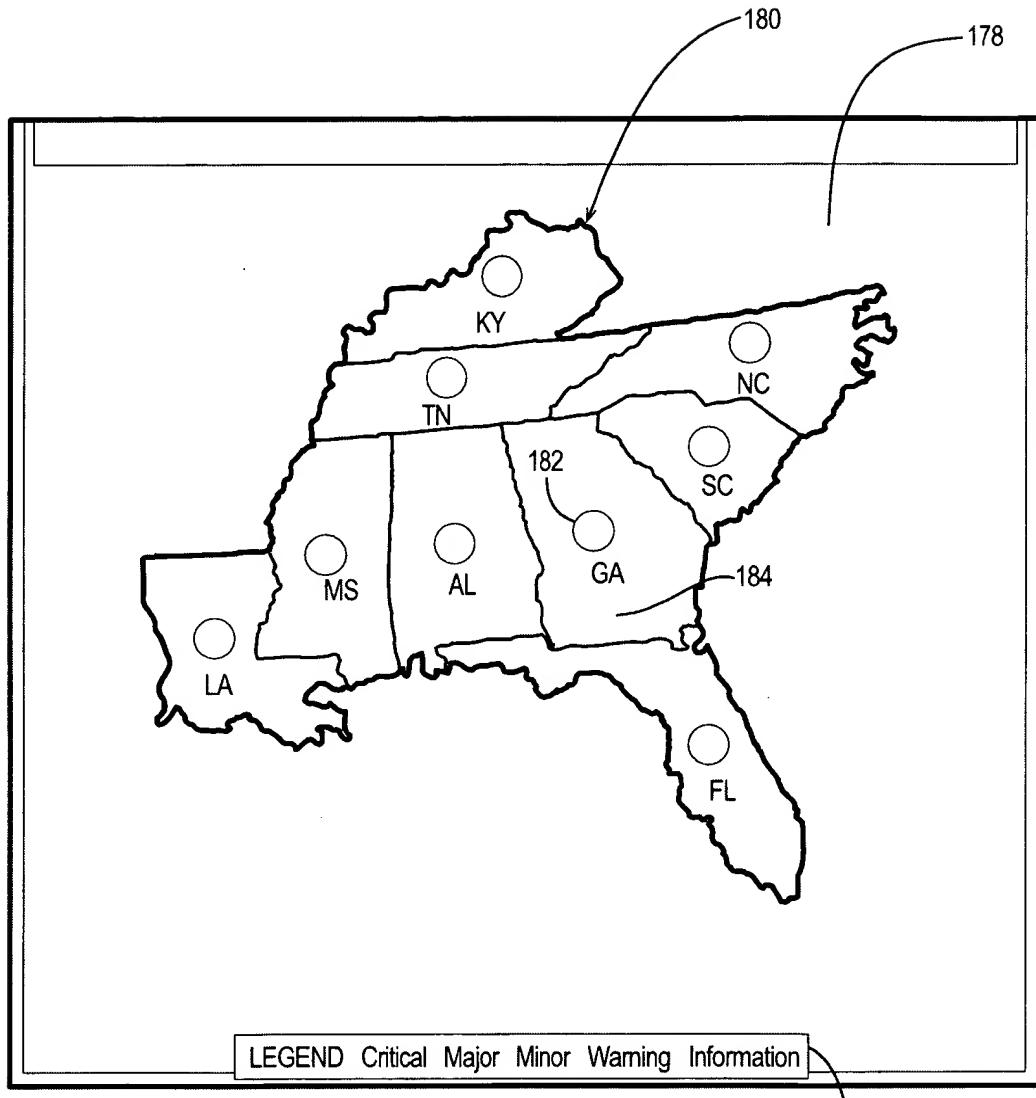


Fig. 1



*Fig. 2*

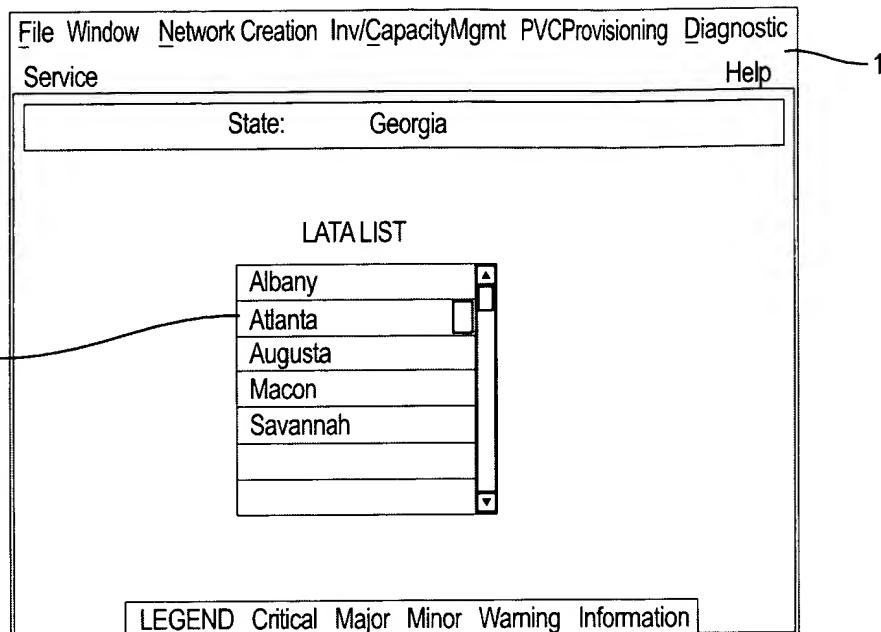
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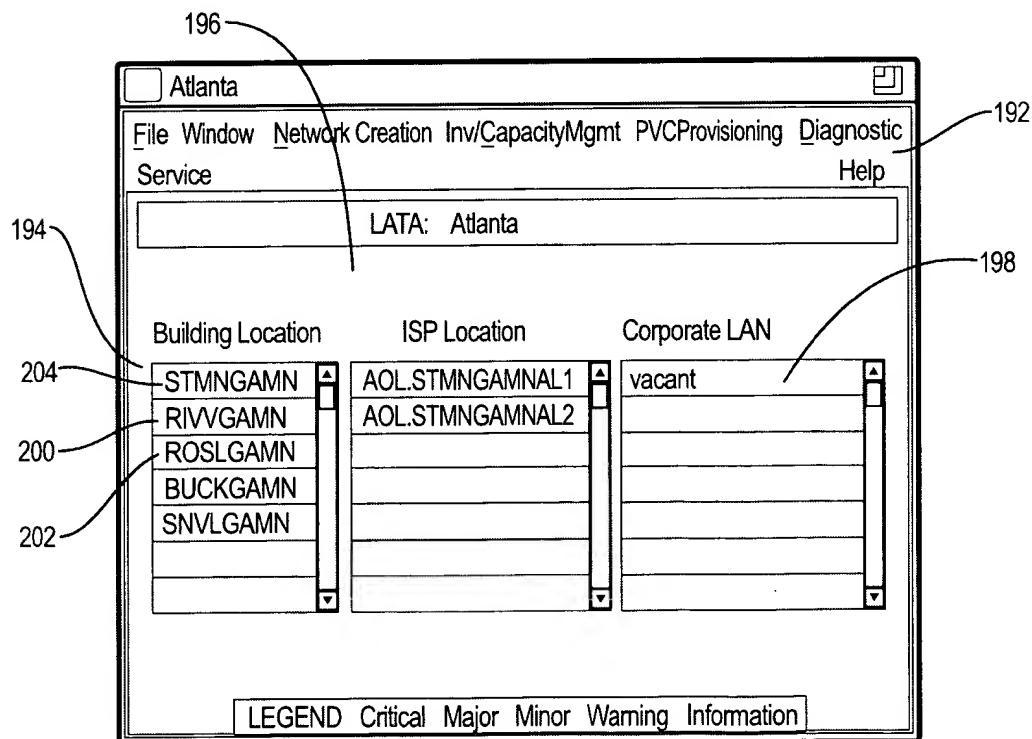
*Fig. 3A*

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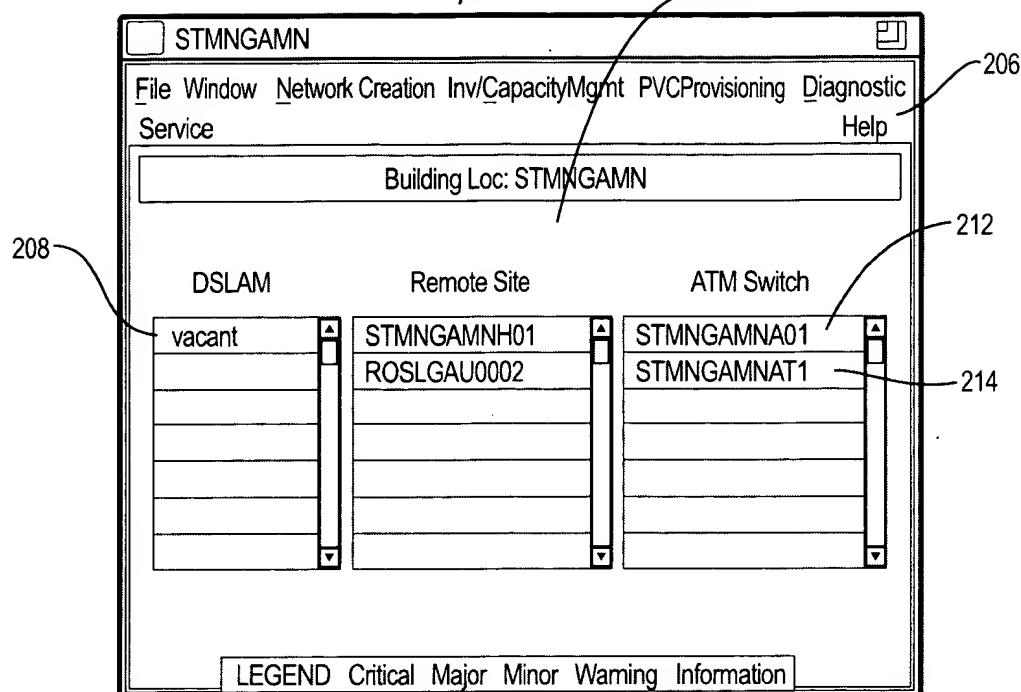
**4/33**



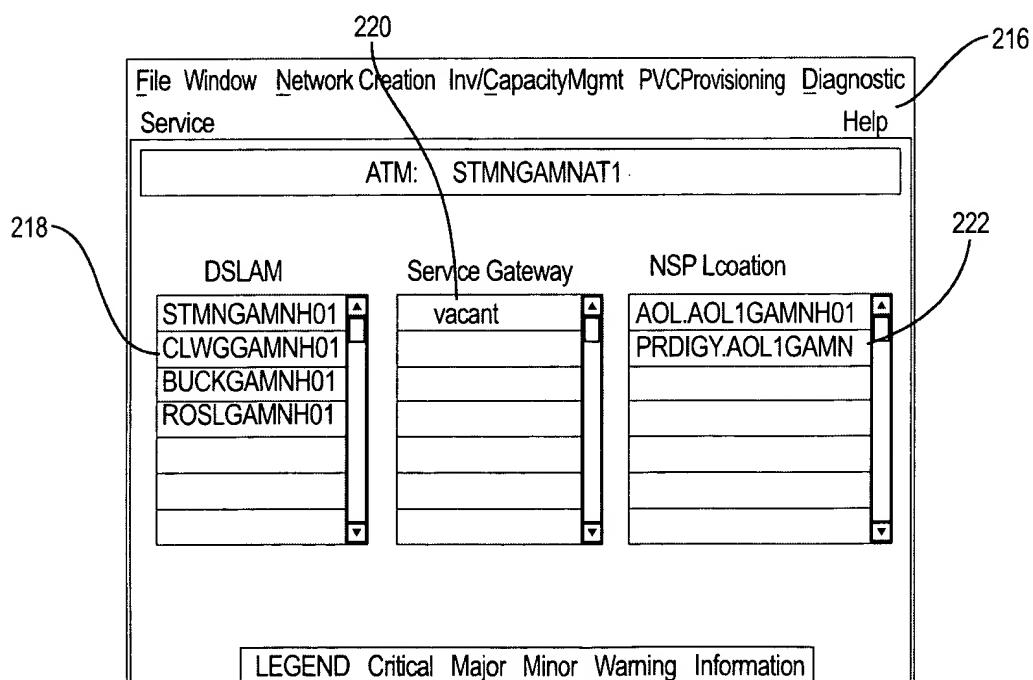
**Fig. 3B**



**Fig. 3C**

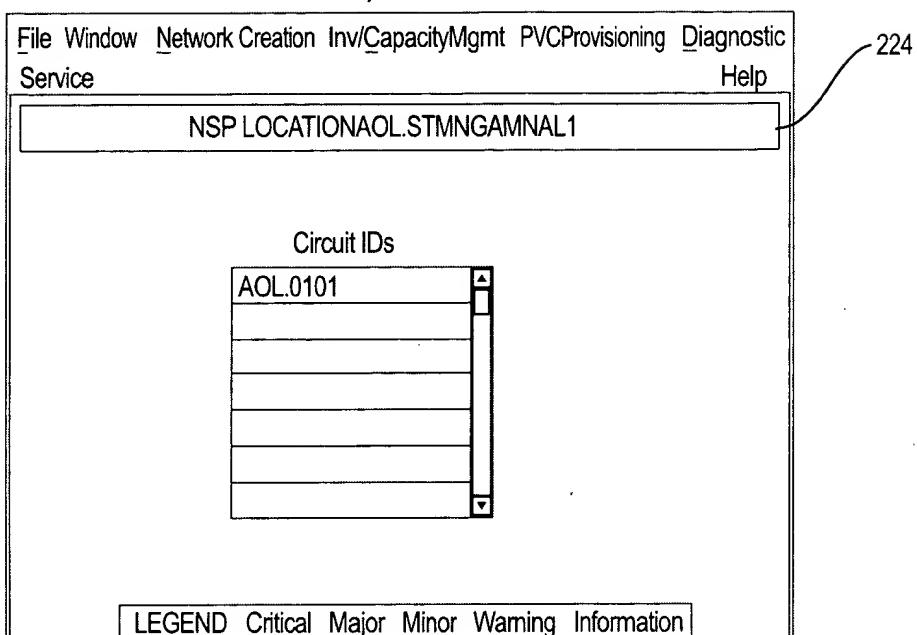


*Fig. 3D*

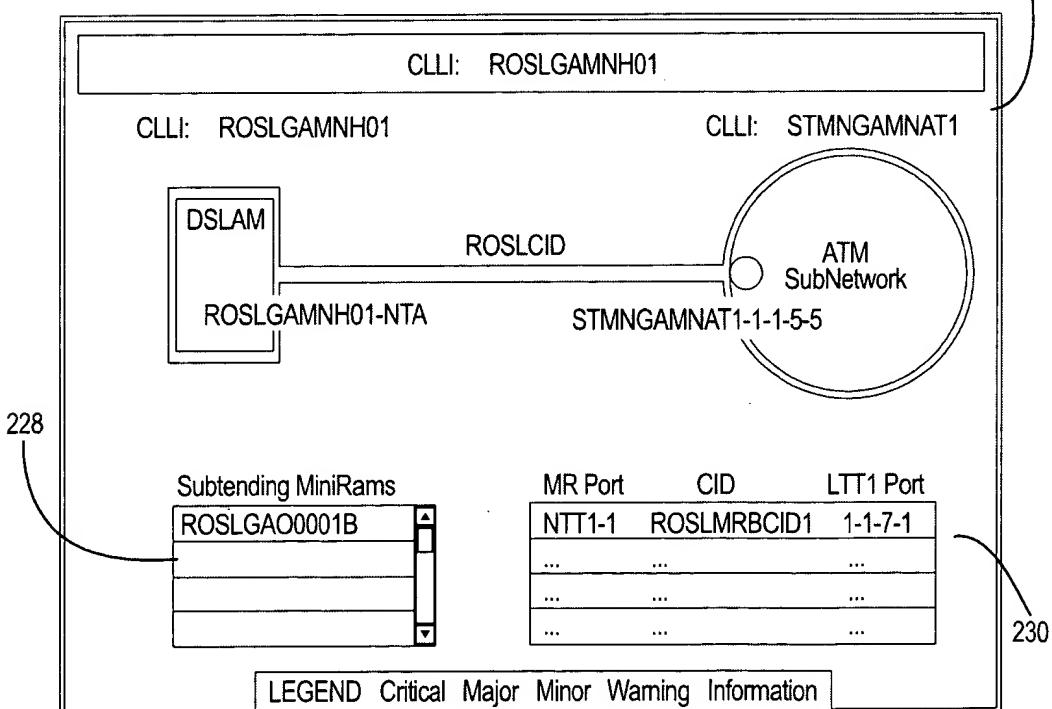


*Fig. 3E*

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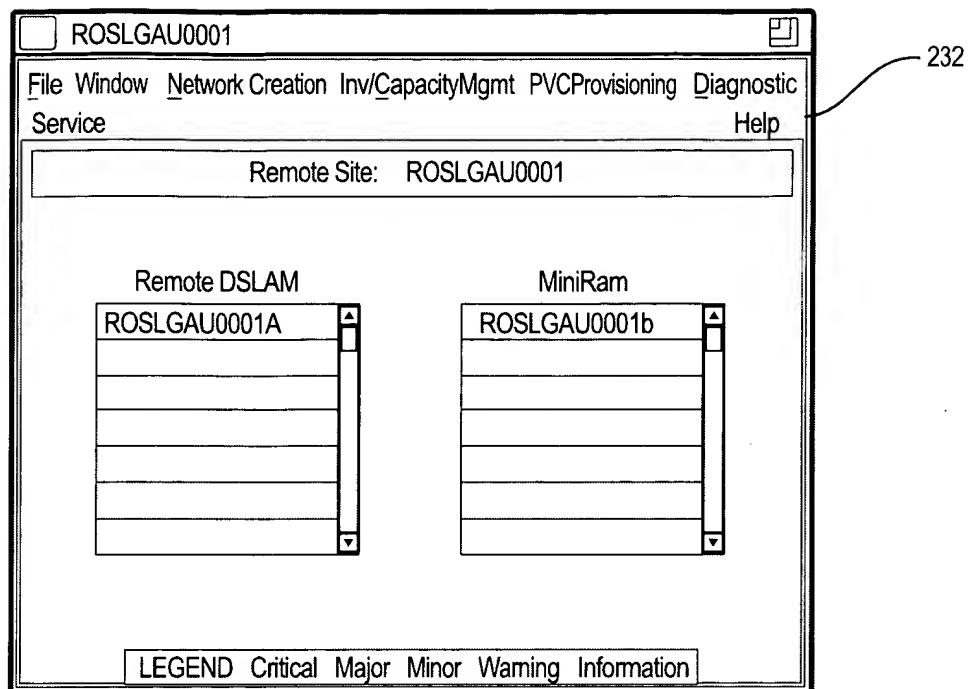


*Fig. 3F*

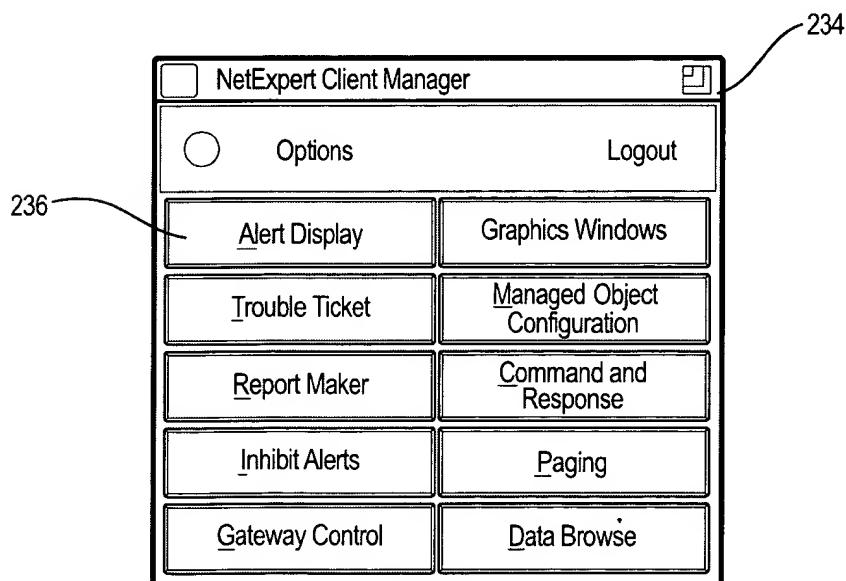


*Fig. 36*

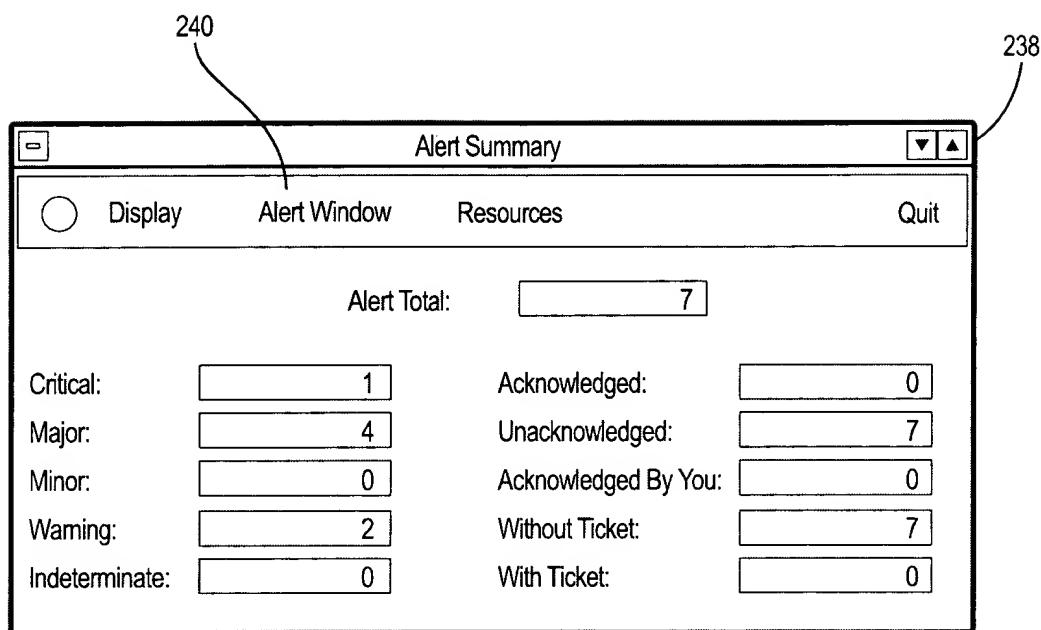
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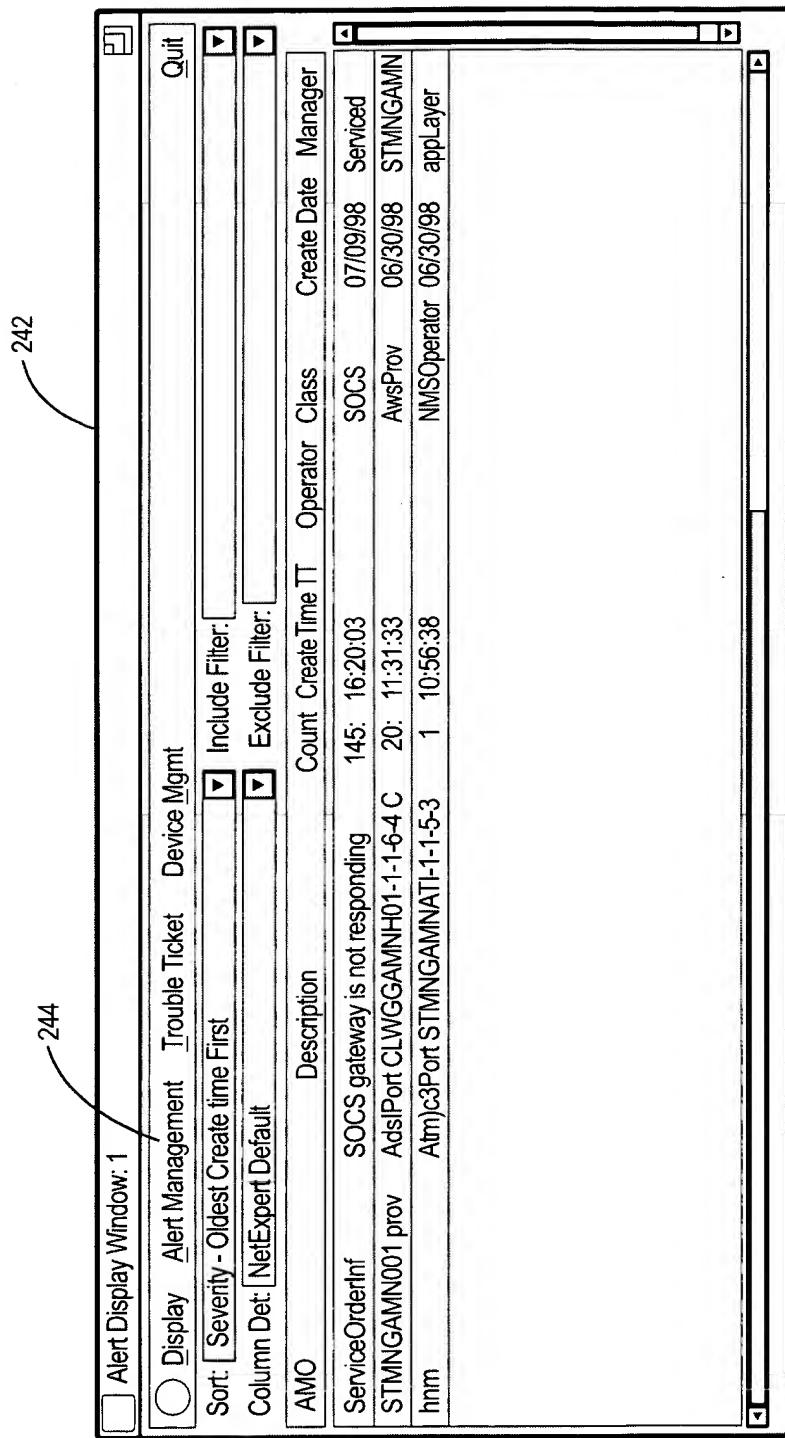
*Fig. 3H*

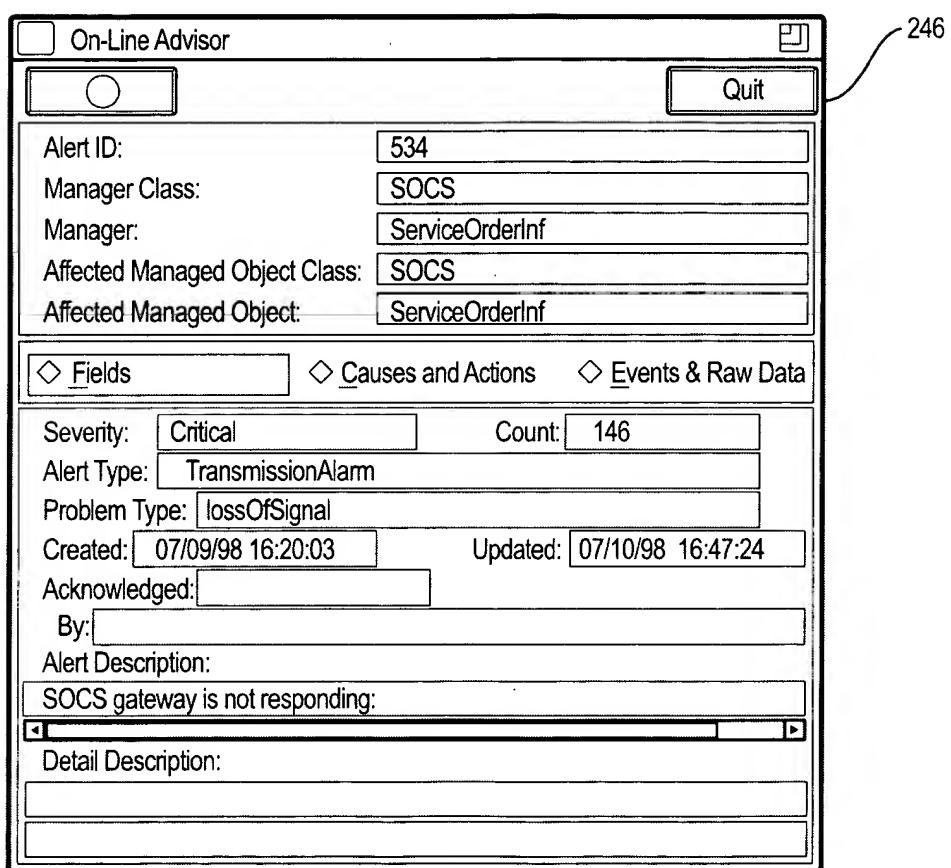


*Fig. 3I*

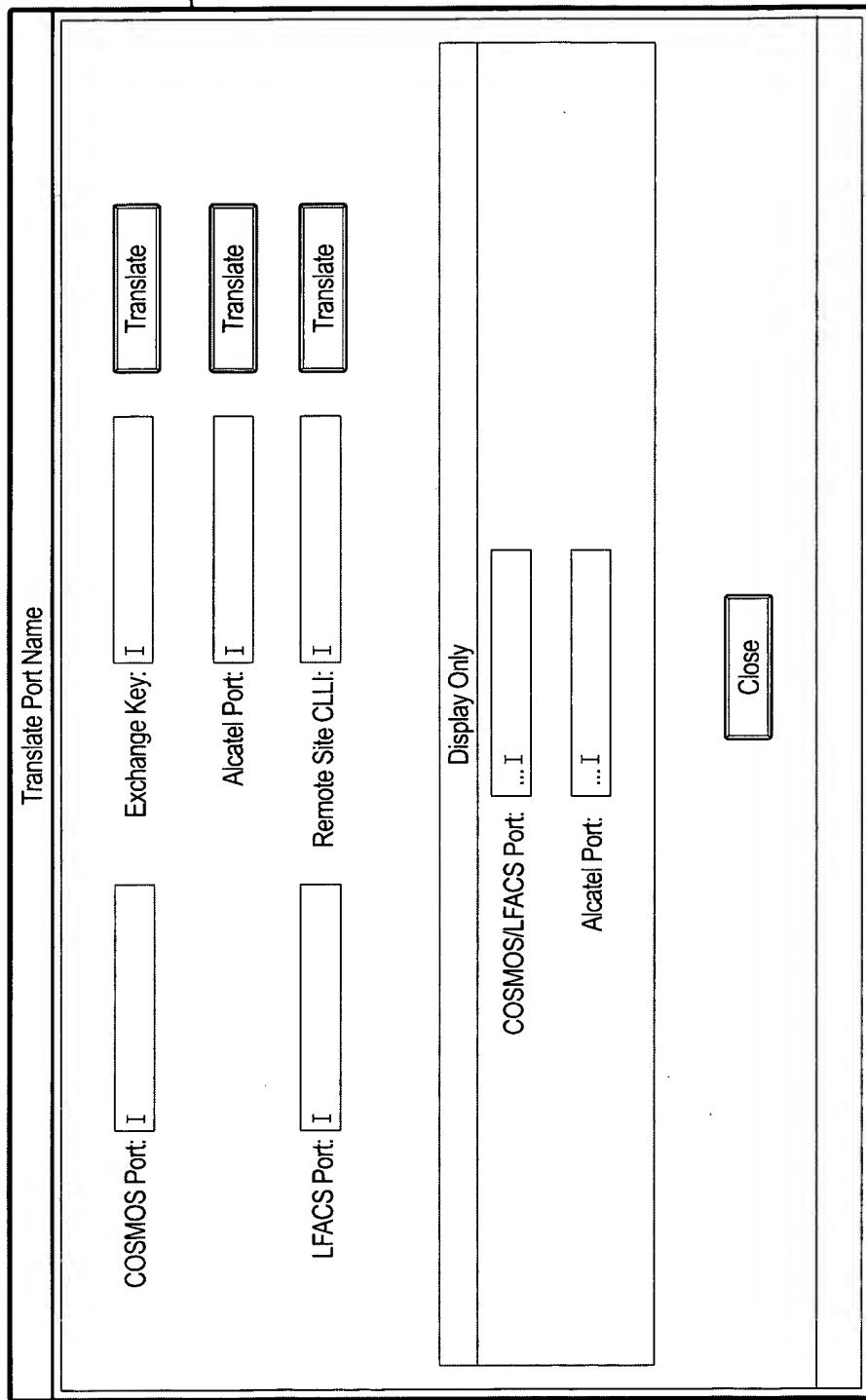


*Fig. 3J*

*Fig. JK*

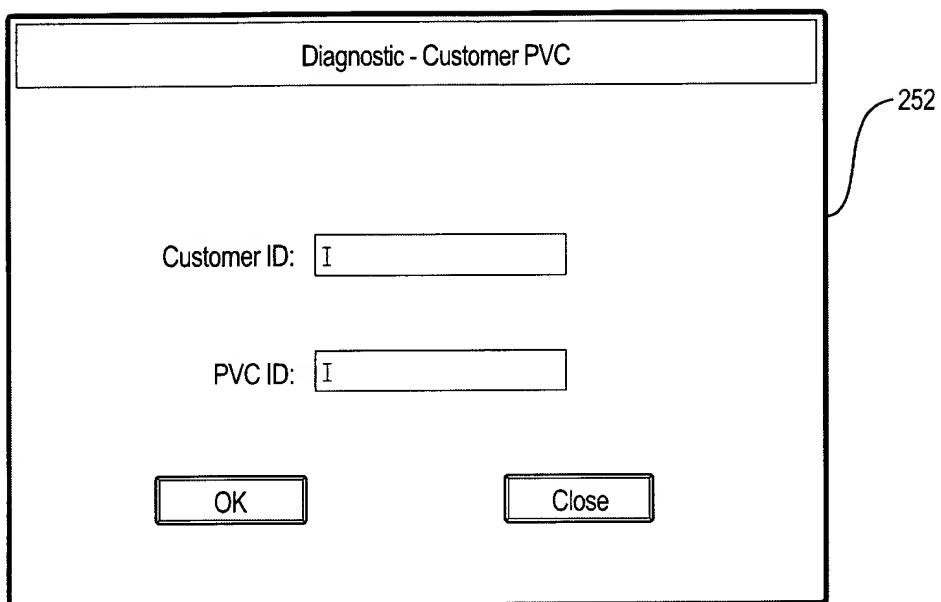


*Fig. 3L*



*Fig. 4H*

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***Fig. 4B***

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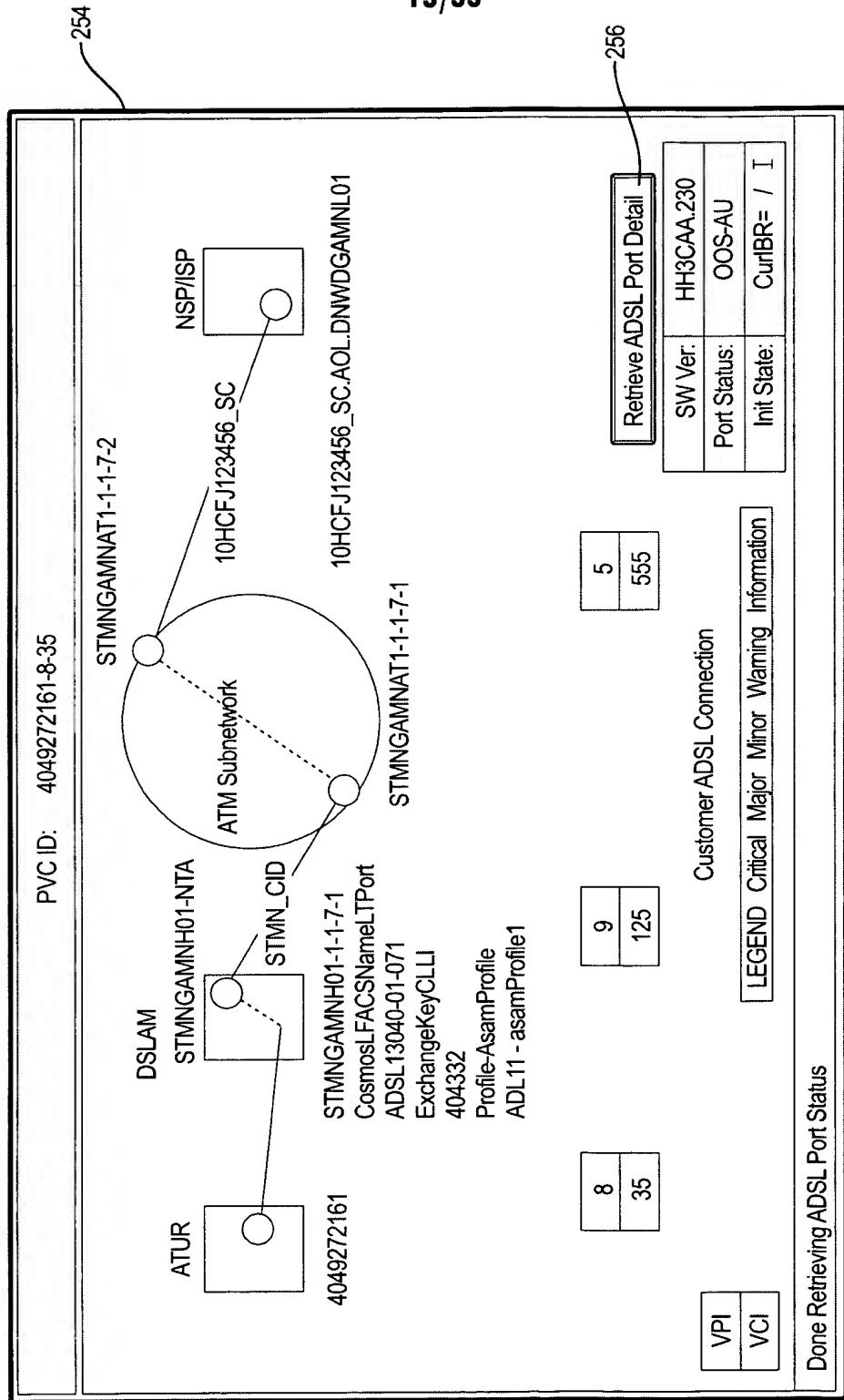
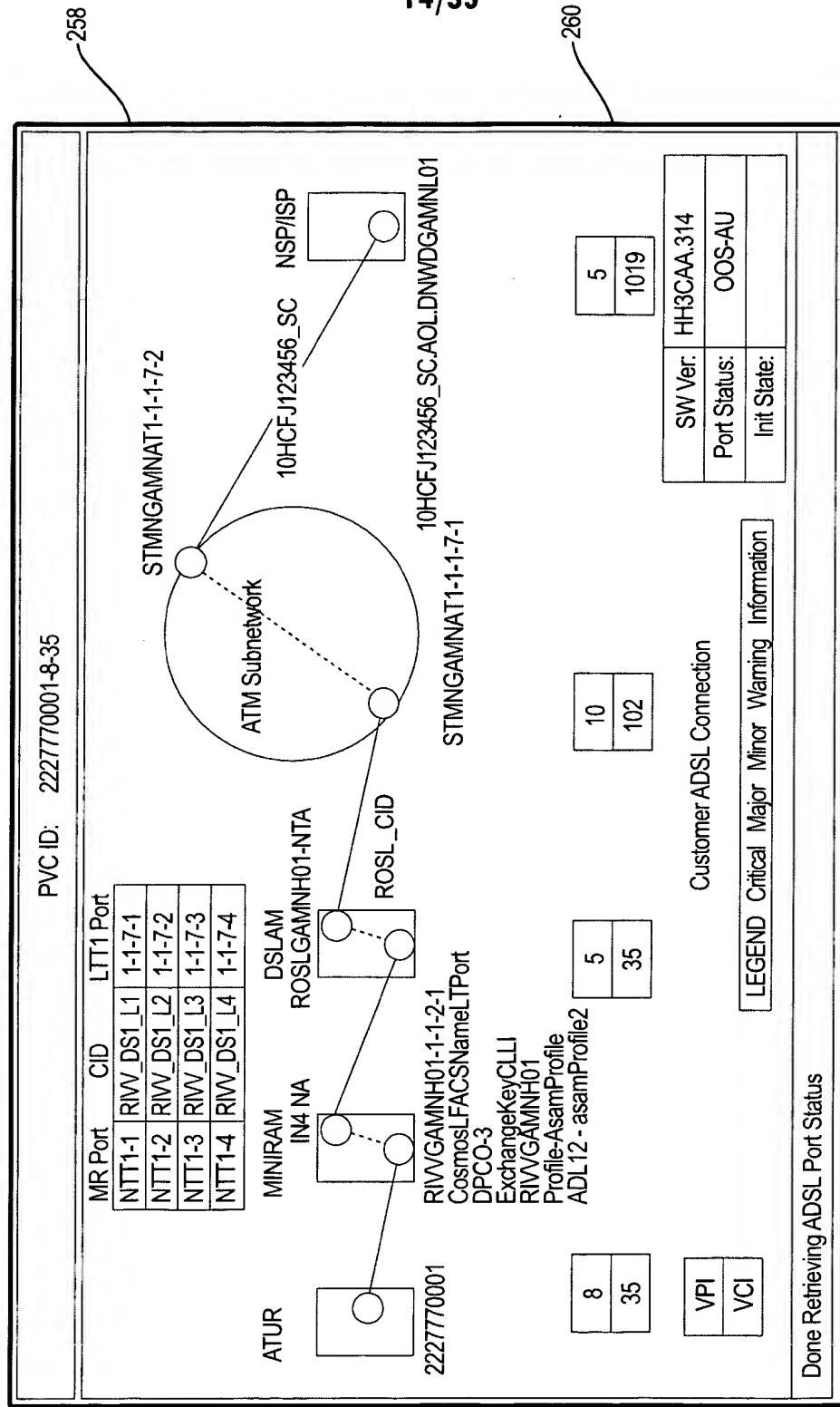
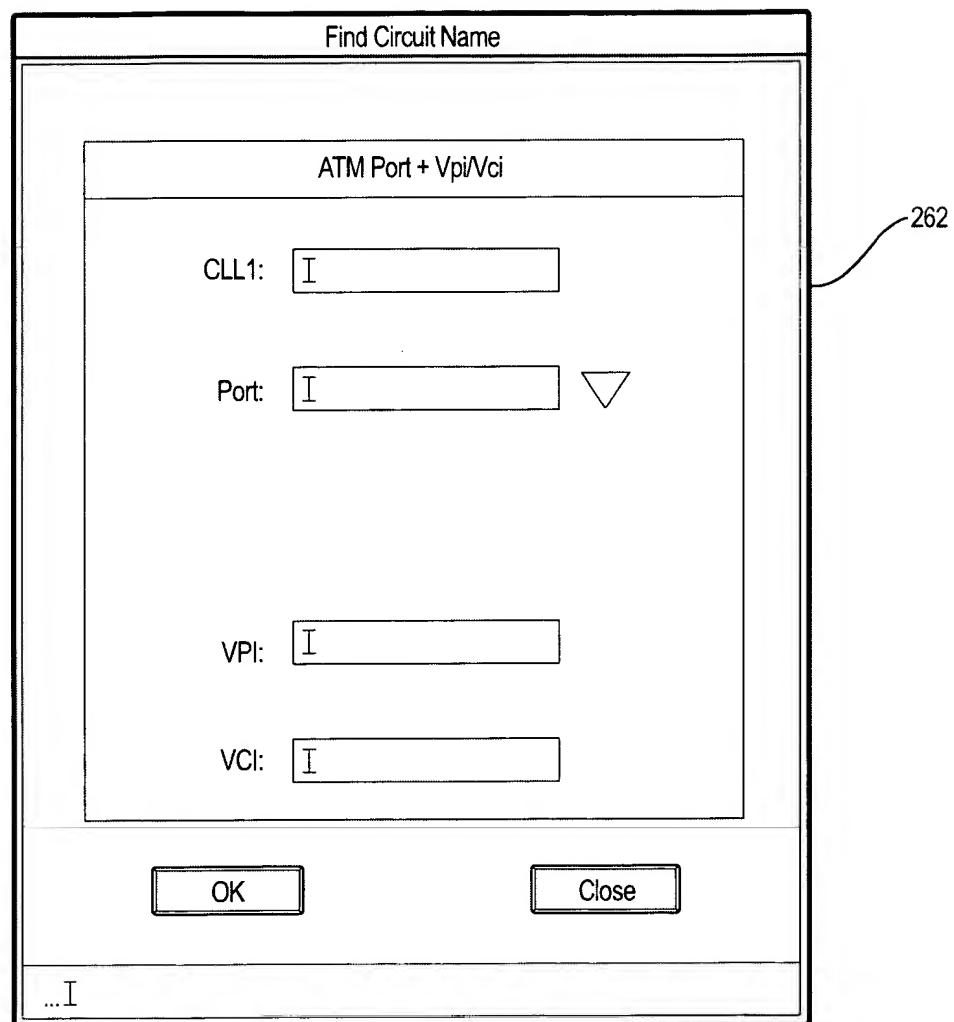


Fig. 4L

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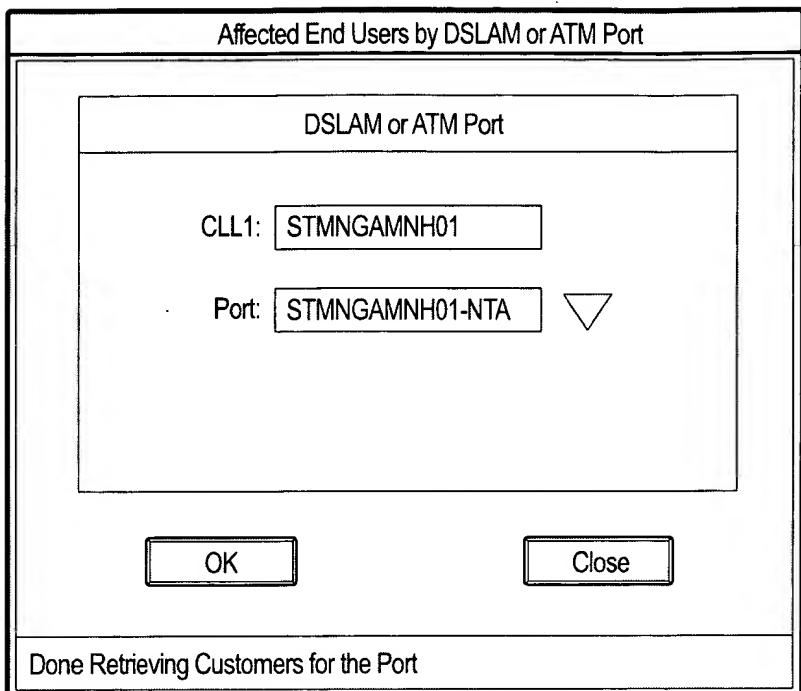


**Fig. 4D**



***Fig. 4E***

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*Fig. 4F*

Affected End Users of STMNGAMNH01-NTA

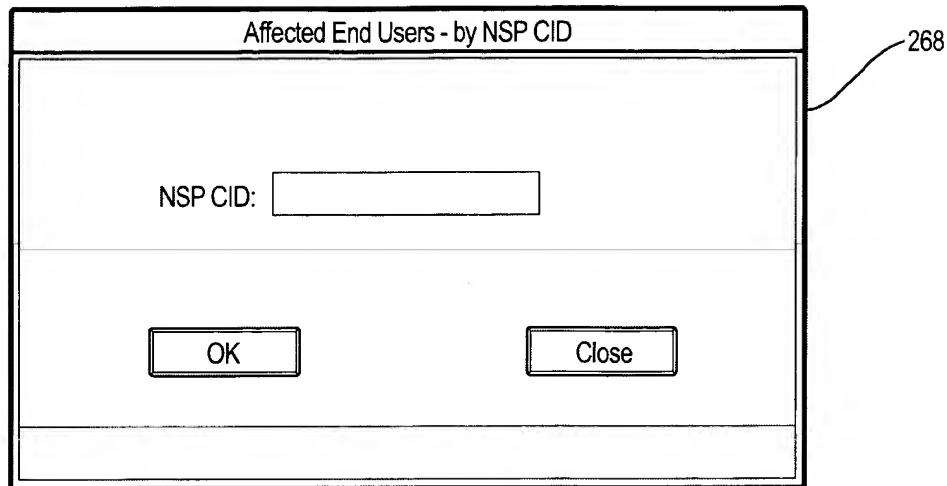
| PVD ID          | ADSL Port ID       | Subscriber |
|-----------------|--------------------|------------|
| 4042920018-0-32 | TMNGAMNH01-1-1-4-4 | TEST: AD   |
| 4042920017-0-32 | TMNGAMNH01-1-1-4-3 | TEST: AD   |
| 4042920016-0-32 | TMNGAMNH01-1-1-4-2 | TEST: AD   |
| 4042920015-0-32 | TMNGAMNH01-1-1-4-1 | TEST: AD   |
| 4042920014-0-32 | TMNGAMNH01-1-1-3-4 | TEST: AD   |
| 4042920003-0-32 | TMNGAMNH01-1-1-1-1 | TEST: AD   |
| 4042920004-0-32 | TMNGAMNH01-1-1-1-2 | TEST: AD   |
| 4042920005-0-32 | TMNGAMNH01-1-1-1-3 | TEST: AD   |
| 4042920030-0-32 | TMNGAMNH01-1-1-8-1 | TEST: AD   |
| 4042920020-0-32 | TMNGAMNH01-1-1-5-2 | TEST: AD   |
| 4042920019-0-32 | TMNGAMNH01-1-1-5-1 | TEST: AD   |

Close

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*Fig. 4G*

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*Fig. 4H*

DSLAM/Miniram Assigned Port History

CLLI: ROSLGAMNH01

| Date       | CO-DSLAM | DSLAM-Subnetwork |
|------------|----------|------------------|
| 04-02-1999 | 0        | 0                |
| 04-02-1999 | 0        | 0                |
| 04-02-1999 | 0        | 0                |
| 04-02-1999 | 0        | 4                |
| 04-02-1999 | 0        | 4                |
| 04-02-1999 | 0        | 4                |
| 04-02-1999 | 0        | 4                |
| 04-02-1999 | 0        | 4                |

OK Close

Done getting Assigned Port History for the DSLAM - ROSLGAMNH01

*Fig. 5A*

Total Available and Assigned ADSL Ports - DSLAM

DSLAM CLLI:

**DSLAM**

|                              |    |
|------------------------------|----|
| Total Available ADSL Ports:  | 24 |
| Cross-connected ADSL Ports:  | 0  |
| Port Availability Threshold: | 22 |

**Subnetwork**

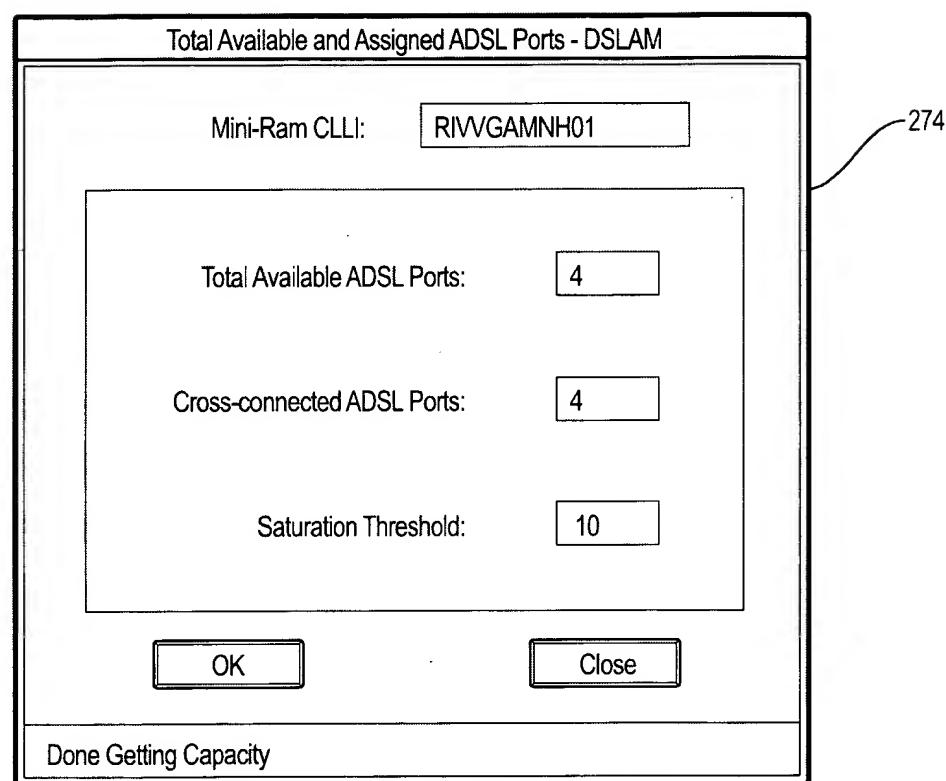
|                                     |    |
|-------------------------------------|----|
| Subnetwork % Utilization:           | 66 |
| Subnetwork % Utilization Threshold: | 90 |

**Subtending MiniRams:**

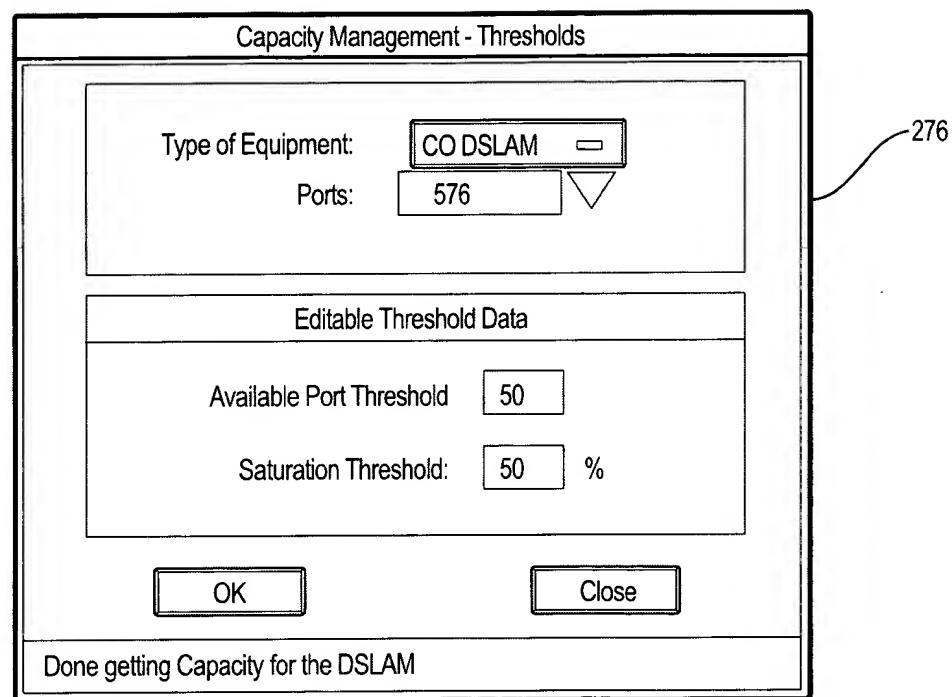
| Name        | PercentUtilization | TshPercentUtilization |
|-------------|--------------------|-----------------------|
| SNVLGAMNH01 | 0                  | 90                    |
| RIVVGAMNH01 | 37                 | 90                    |
| SNVLGAMNH01 | 0                  | 90                    |
| RIVVGAMNH01 | 37                 | 90                    |
| SNVLGAMNH01 | 0                  | 90                    |

Done Getting Capacity

*Fig. 5B*



*Fig. 5C*



***Fig. 5D***

Capacity Management - DSLAM Thresholds

|   |                      |   |
|---|----------------------|---|
| CLLI:   | <input type="text"/> | <input type="button" value="Retrieve"/> |
| Saturation Threshold: <input type="text"/> % 0 - To use Defaults<br>Saturation Threshold Alarm Inhibited: <input type="checkbox"/> 0 - Enabled <input type="checkbox"/> 1 - Inhibited<br>Available Port Threshold: <input type="checkbox"/> 0 - To use Defaults<br>Available Ports Alarm Inhibited: <input type="checkbox"/> 0 - Enabled <input type="checkbox"/> 1 - Inhibited |                      |   |
| <input type="button" value="OK"/> <input type="button" value="Close"/>  |                      |   |
|   |                      |   |

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*Fig. 5E*

Capacity Management - MiniRam Thresholds

|   |                      |   |
|---|----------------------|---|
| CLLI:   | <input type="text"/> | <input type="button" value="Retrieve"/> |
| Saturation Threshold: <input type="text"/> % 0 - To use Defaults<br>Saturation Threshold Alarm Inhibited: <input type="checkbox"/> 0 - Enabled <input type="checkbox"/> 1 - Inhibited |                      |   |
| <input type="button" value="OK"/> <input type="button" value="Close"/>  |                      |   |
|   |                      |   |

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*Fig. 5F*

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DSLAM/MiniRam Port Inventory

| Type               | Cosmos/LFACS | Assigned | Status | Denied   | Subtending |
|--------------------|--------------|----------|--------|----------|------------|
| RIVGAMNH01-1-1-1-1 | ADSL         | *****    | N      | 00S-AU   |            |
| RIVGAMNH01-1-1-1-2 | ADSL         | *****    | N      | 00S-AU   |            |
| RIVGAMNH01-1-1-1-3 | ADSL         | *****    | N      | 00S-AU   |            |
| RIVGAMNH01-1-1-1-4 | ADSL         | *****    | N      | 00S-AU   |            |
| RIVGAMNH01-1-1-1-1 | ADSL         | *****    | N      | 00S-AUMA |            |
| RIVGAMNH01-1-1-1-2 | ADSL         | *****    | N      | 00S-AUMA |            |
| RIVGAMNH01-1-1-1-3 | ADSL         | *****    | N      | 00S-AUMA |            |
| RIVGAMNH01-1-1-1-4 | ADSL         | *****    | N      | 00S-AUMA |            |

**OK**      **Close**

Completed Getting MiniRam Inventory

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*Fig. 5G*

DSLAM/MiniRam Port Inventory

| Card             | Type   | SW Version | Vendor | Serial #  | Status |
|------------------|--------|------------|--------|-----------|--------|
| RIVGAMNH01-1-1-1 | ADLT-E | HH3CAA.314 | ALCL   | 983325106 | IS-NR  |
| RIVGAMNH01-1-1-2 | ADLT-E | HH3CAA.314 | ALCL   | 983409651 | IS-NR  |

**OK**      **Close**

Completed Getting MiniRam Inventory

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*Fig. 5H*

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Add Bulk PVC

Old ATM Port Info

Old NSP CID:

New ATM Port Info.

CLLI:

Rack:  1

Shelf:  1

Slot:

Port:

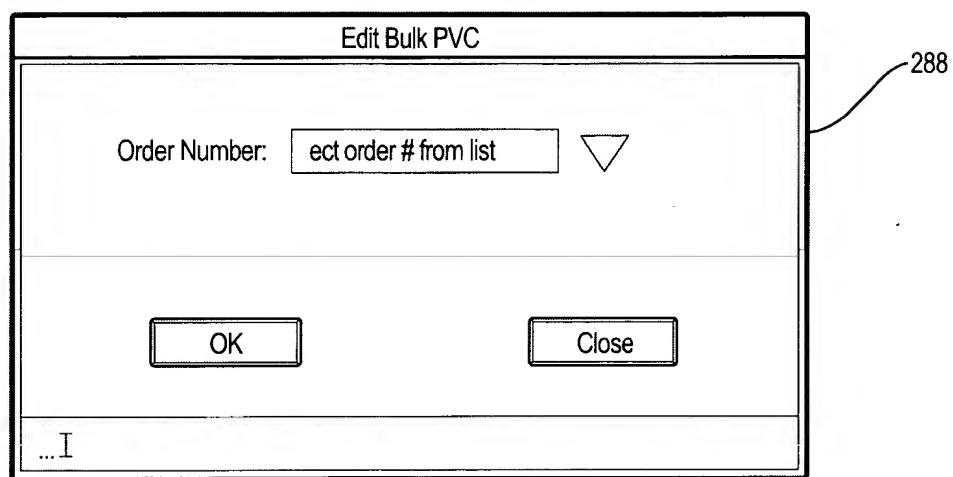
Optional Date and Time

Due Date:  Time:

...

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***Fig. 6A***



***Fig. 6B***

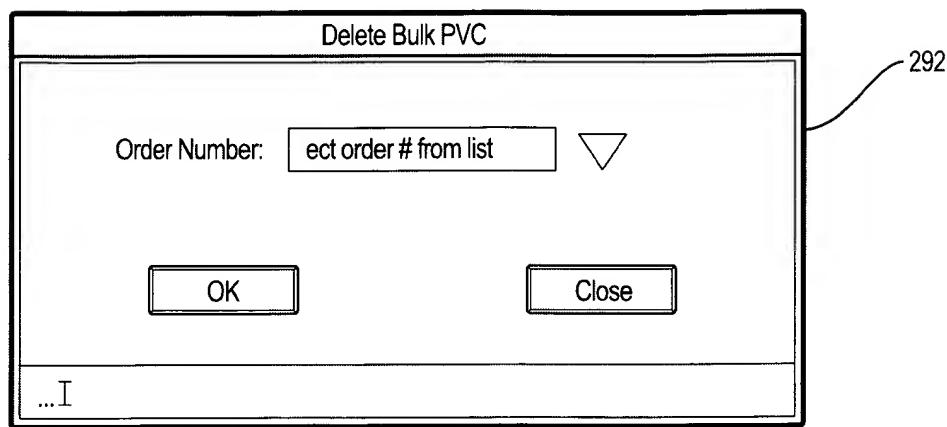
Edit Bulk PVC: NO1CID-0-0-0

|  |  |       |                          |
|--|--|-------|--------------------------|
| Old ATM Port Info.   |  |       |                          |
| Old NSP CID:   | <input type="text" value="NO1CID"/>      |       |                          |
| New ATM Port Info.   |  |       |                          |
| CELLI:   | <input type="text" value="STMNGAMNAT1"/> |       |                          |
| Rack:  | <input type="text" value="1"/>           |       |                          |
| Shelf:   | <input type="text" value="1"/>           |       |                          |
| Slot:  | <input type="text" value="5"/>           |       |                          |
| Port:  | <input type="text" value="7"/>           |       |                          |
| Optional Date and Time   |  |       |                          |
| Due Date:  | <input type="text"/> ...                 | Time: | <input type="text"/> ... |
| <br><input type="button" value="OK"/> <input type="button" value="Close"/><br> |  |       |                          |
| Done Retrieving <NO1CID-0-0-0> Bulk PVC Order                                  |  |       |                          |

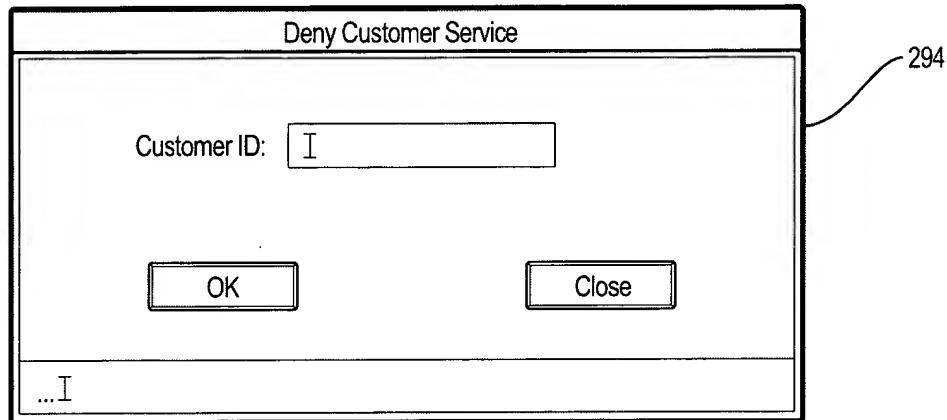
290

*Fig. 6C*

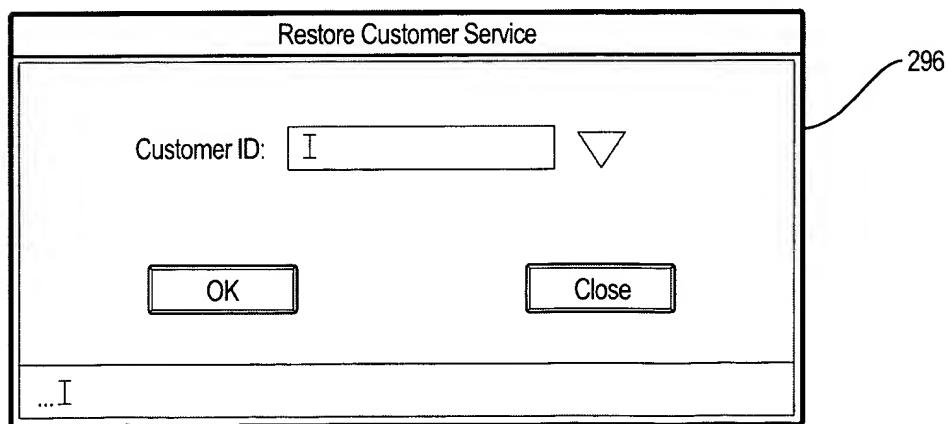
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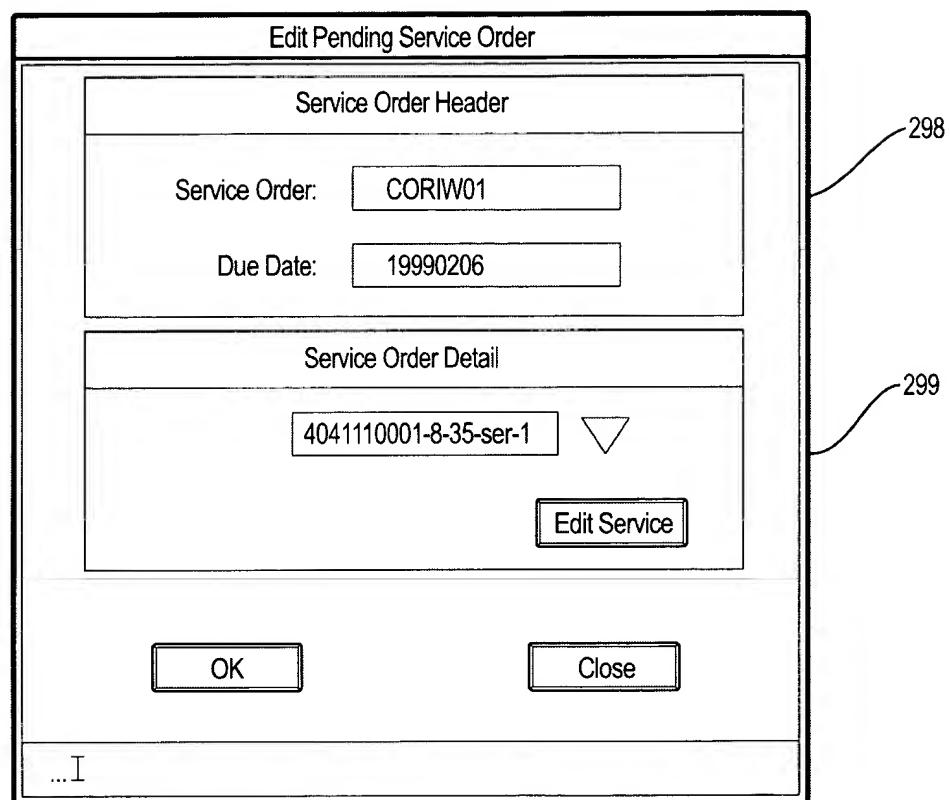
***Fig. 6D***



***Fig. 6E***



***Fig. 6F***



*Fig. 66*

300

Edit Service Order Detail

Editable Data

|                    |                |
|--------------------|----------------|
| Atur VPI:          | 8              |
| AturVCI:           | 35             |
| COSMOS/LFACS:      | COSMOS         |
| COSMOS/LFACS pORT: | DPG1-1         |
| Exchange Key/CLLI: | RIVVGAMNH01    |
| NSP CIT:           | )HCFJ123456_SC |
| NSP VPI:           | 2              |
| NSP VCI:           | 201            |
| Change USOC:       | ADL11          |

Display Only Data

|            |         |               |       |
|------------|---------|---------------|-------|
| ADSL Port: | UNKNOWN | COSMOS/LFACS: | LFACS |
| USOC:      | ADL12   |               |       |

OK      Close

...I

**Fig. 6H**

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Modify Customer Record Information

Customer ID:

Modifiable Fields

Name:

Address:

ZIP Code:

OK      Close

...  
I

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*Fig. 6l*

Delete Service Order

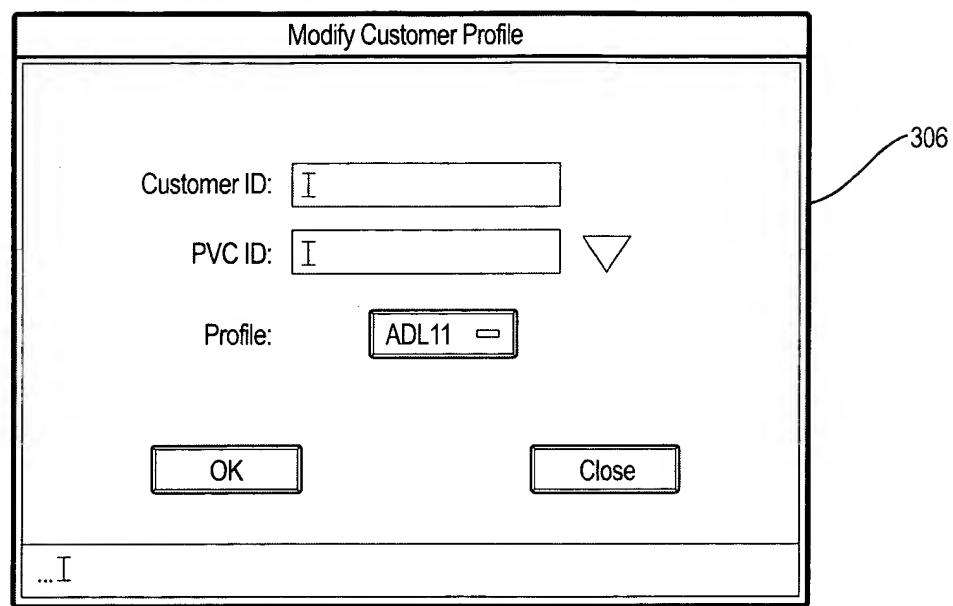
SO Number:

OK      Close

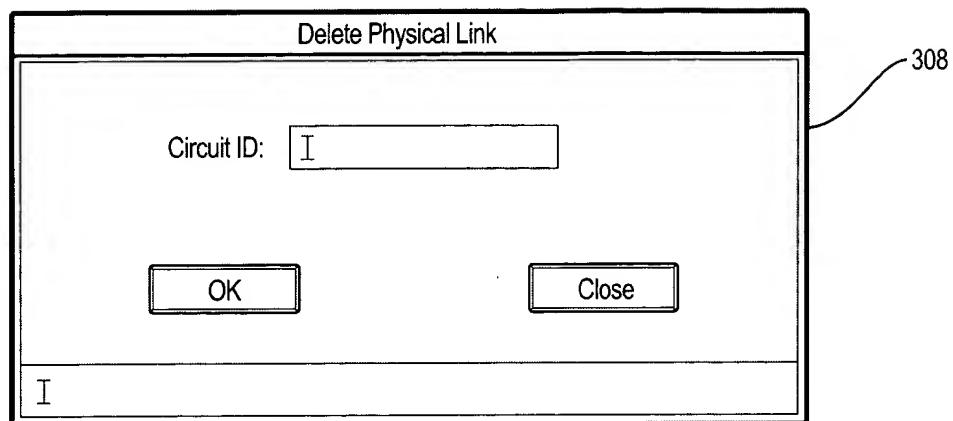
...  
I

304

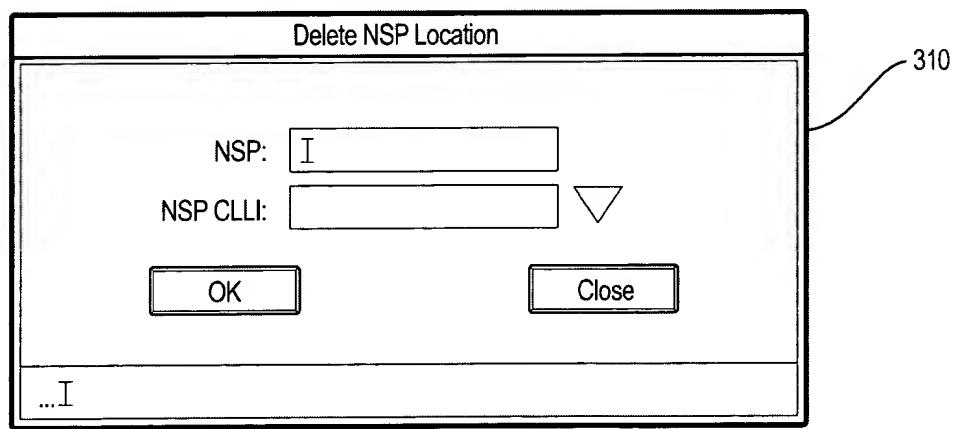
*Fig. 6u*



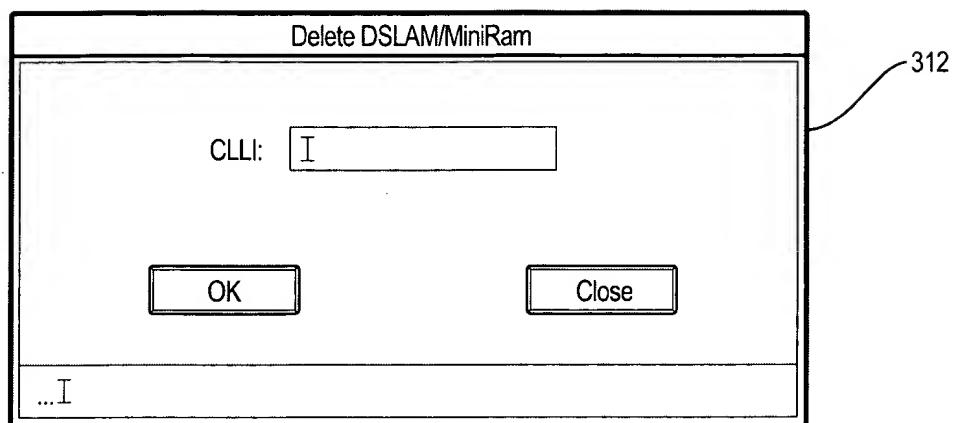
***Fig. 6K***



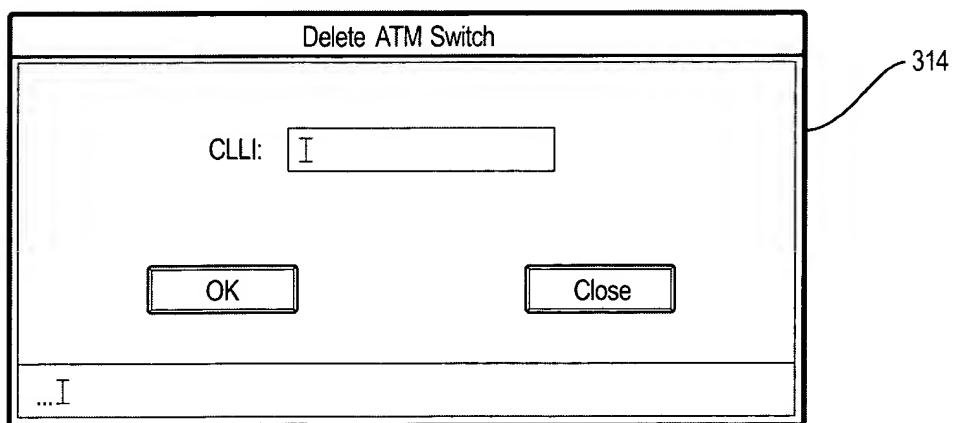
***Fig. 7A***



***Fig. 7B***

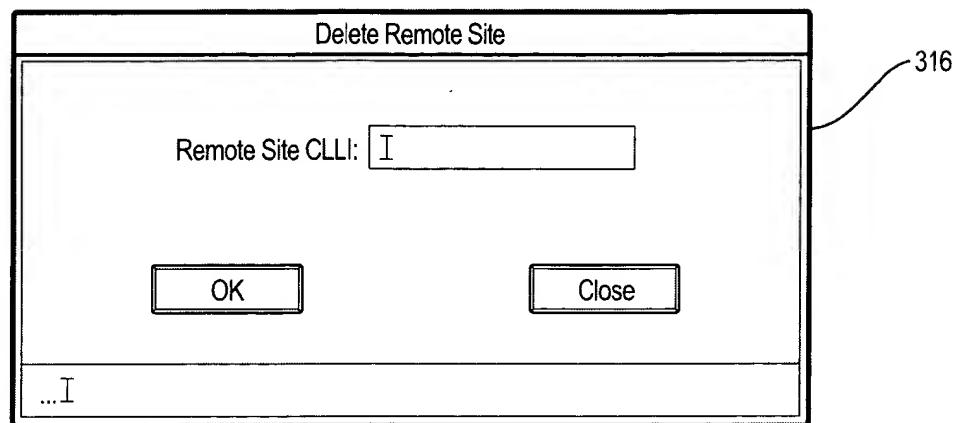


***Fig. 1C***

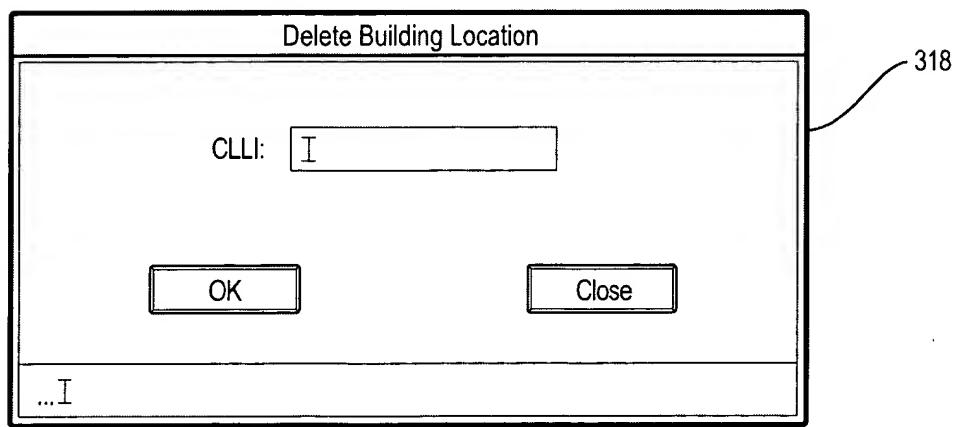


***Fig. 1D***

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***Fig. 7E***



***Fig. 7F***